Index of Papers Published in JET PROPULSION

A Publication of the American Rocket Society

Volume 27—January through December 1957

Issue	Pages
January	1–104
February	105–240
March	241–364
April	365–488
May	489–620
June	621–750
July	751–846
August	847–966
September	967–1062
October	1063–1134
November	1135–1218
December	1219–1290

ALLEN, H. JULIAN
Hypersonic Flight Problems (Introductory Remarks) 1145
ANKENEY, D. P., *see* EGBERT, B. R.
ARTHUR, P. D. and MCJONES, R. W.
Effective Lift Drag Ratio With Jet Lift.. 676
BARR, G. M. and MORRISON, S. C.
Measurements of Vibration Environment in a Supersonic Liquid Propellant Rocket Sled 1017
BARR, K., and STEEGER, E. J.
Supersonic Rain Erosion Testing of Missile Radomes 1034
BARTAS, J. G.
Wall Temperatures in Ribbed Combustion Chambers 784
BARTZ, D. R.
A Simple Equation for Rapid Estimation of Rocket Nozzle Convective Heat Transfer Coefficients 49
BATCHELDER, G. W. and ELDER, J. K.
A More Explicit Notation for the Temperature Sensitivity Coefficients of Solid Rocket Propellants 546
BATDORF, SAMUEL B.
Structural Problems in Hypersonic Flight 1157
BERMAN, K. and CARNAVOS, T. C.
Experiments With Cavitating Venturis.. 148
BERNING, WARREN W., *see* JONES, LESLIE M.
BERTOTTI, B., *see* CASCI, C.
BEUTLER, F. J. and RAUCH, L. L.
Precision Measurement of Supersonic Rocket Sled Velocity—Part I 1021
BIEDLER, III, WILLIAM T. and HOELSCHER H. E.
Studies in a New Type of Flat Flame Burner 1257
BLACK, H. D., *see* STRUBLE, R. A.
BLITZER, L.
Effect of Earth's Oblateness on Satellite Period 405
BLOOM, JR., RALPH
On the Hazards of Concentrated Hydrogen Peroxide 666
BONNETT, M. E.
Aberdeen Proving Ground Ballistic Track 992
BREWINGTON, W. H., *see* TIGER, B.
BRIGGS, J. Z., *see* FREEMAN, R. R.
CAMACK, W. G. and FORSTER, H. K.
Test of a Heat Transfer Correlation for Boiling Liquid Metals 1104
CAMBEL, ALI BULENT, *see* HUELLMANTEL, L. W.
CANTRELL, T. D., *see* TSCHINKEL, J. G.
CARNAVOS, T. C., *see* BERMAN, K.
CARROLL, JOHN J., *see* GORE, MARVIN R.
CARROLL, K. L. and NORTHROP, C. L.
Redstone Arsenal Ballistic Ramp 1011
CASCI, C. and BERTOTTI, B.
On the Slowing Down of Time 665
CHARWAT, A. F.
The Stability of Bodies of Revolution at Very High Mach Numbers 866
CHUBB, T. A., FRIEDMAN, H., KUPPERIAN, JR., J. E. and LINDSAY, J. C.
Flare Measurements From Rockets 1094
COLE, DANDRIDGE M.
The Earth-Mars Constant Thrust Brachistochrone 176
Times Required for Continuous Thrust Earth-Moon Trips 416
COPLEN, JR., H. L.
Reliability Concepts in Rocket Controls Design 637
CROCCO, L., GLASSMAN, I. and SMITH, I. E.
A Flow Reactor for High Temperature Reaction Kinetics 1266
DASKIN, WALTER, *see* FERRI, ANTONIO
DAVIES, H. and SMITH, D. S.
Design Considerations of Two Large Liquid Rocket Sled Pusher Vehicles... 999
DEMPSTER, J. R. H. and SODHA, M. S.
On Secondary Atomization of Droplets.. 896
DEMUTH, O. J., *see* HOUSE, W. C.
DETRA, R. W., KEMP, N. H. and RIDDELL, F. R.
Addendum to "Heat Transfer to Satellite Vehicles Re-entering the Atmosphere" 1256
DILLAWAY, ROBERT B.
A Philosophy for Improved Rocket Nozzle Design 1088
DODGE, C. H., *see* HOUSE, W. C.
DORLING, E. B.
British High Altitude Rocket Research Program 289
DUWEZ, P., *see* HIESTER, N. K.
EBER, G. R.
The Capabilities of the Holloman Track 1013
EDELBAUM, THEODORE N.
Comments on the Powered Trajectory of a Satellite 1260
EGBERT, B. R. and ANKENEY, D. P.
Supersonic Track Facilities at the Naval Ordnance Test Station 985
EGGERS, JR., A. J.
Performance of Long Range Hypervelocity Vehicles 1147
ELDER, J. K., *see* BATCHELDER, G. W.
FAY, J. A., RIDDELL, F. R. and KEMP, N. H.
Stagnation Point Heat Transfer in Dissociated Air Flow 672
FELDMAN, LEWIS, *see* FERRI, ANTONIO
FELDMAN, SAUL
Hypersonic Conical Shocks for Dissociated Air in Thermodynamic Equilibrium 1253
FERRI, ANTONIO, FELDMAN, LEWIS and DASKIN, WALTER
The Use of Lift for Re-entry from Satellite Trajectories 1184
FORSTER, H. K., *see* CAMACK, W. G.
FREELAND, J. L., *see* STEHLING, K. R.
FREEMAN, R. R. and BRIGGS, J. Z.
Molybdenum for High Temperature Strength 138
FRIED, B. D.
Powered Flight Trajectory of a Satellite 641
FRIEDMAN, H., *see* CHUBB, T. A.
FUHS, A. E., *see* WILLIAMS, F.
FULLER, J. L., *see* HOUSE, W. C.
GLASSMAN, IRVIN
Impulse Expressions for Rocket Systems Containing a Solid Phase 542
See WILLIS, D. ROGER
See also CROCCO, L.
GLAWE, GEORGE E.
A High Temperature Combination Sonic Aspirated Thermocouple and Total Pressure Probe 543
GLUCKSTEIN, MARTIN E.
Note on "Study of Premixed Flames Using Radioactive Tracers" 1102
GOLDSMITH, M.
On the Optimization of Two-Stage Rockets 415
GORDON, JOHN S.
Estimation of Optimum Mixture Ratio for Fuming Nitric Acid Propellants... 799
GORDON, L. J., *see* GREENE, S. A.
GORE, MARVIN R. and CARROLL, JOHN J.
Dynamics of a Variable Thrust, Pump Fed, Bipropellant, Liquid Rocket Engine System 35
GRAHAM, A. R., *see* ZUCROW, M. J.
GRAVES, A. E., *see* TSCHINKEL, J. G.
GREENE, S. A. and GORDON, L. J.
An Effect of Carbon in an Adiabatically Expanded Gas Stream 667
Ethylene Oxide as a Monopropellant.... 798
Some Decomposition Products of Normal Propyl Nitrate 1261
GROVER, JOHN H., KESLER, M. G. and SCURLOCK, A. C.
Rotating Flame Stabilizer 386
GROVER, JOHN H. and HOLTER, WILLIAM H.
Solution of the Transient Heat-Conduction Equation for an Insulated, Infinite Metal Slab 1249
GUSTAVSON, JOHN
The Possibility of Interstellar Flight.... 69
HAEUSSERMANN, W.
Stability Areas of Missile Control Systems 787
HALEY, ANDREW G.
Seventh IAF Congress Stresses Cooperation 60
HANAWALT, ARNOLD J., *see* SCHMIDT, CRAIG M.
HANSEN, C. FREDERICK
Some Characteristics of the Upper Atmosphere Pertaining to Hypervelocity Flight 1151
HANSEN, WILLIAM H., *see* JONES, LESLIE M.
HARSHMAN, R. C.
Properties of the Alkyl Hydrazines..... 398
HARVEY, T. J.
Bending Dynamics of a Spinning Missile 669
HEGENWALD, JR., J. F. and MURPHY, JR., E. A.
Sled Testing the Emergency Escape System: The Human Factor 1025
HENDRICKS, R. K.
Track Testing at the Air Force Armament Center 997
HENRY, IRVIN G.
Lifetimes of Artificial Satellites of the Earth 21
HERTZBERG, A., *see* RUSSO, A.
HIESTER, N. K., TIETZ, T. E., LOH, E., and DUWEZ, P.
Solar Furnace Performance 507
HOELSCHER, H. E., *see* BIEDLER, III, WILLIAM T.
HOLTER, WILLIAM H., *see* GROVER, JOHN H.
HOTTEL, HOYT C., TOONG, TAU-YI and MARTIN, JOHN J.
Flame Stabilization in a Boundary Layer 28
HOUSE, W. C., DODGE, C. H., WALDO, R. D., SCHAFF, JR., A., FULLER, J. L. and DEMUTH, O. J.
Future Sounding Rockets 269
HUELLMANTEL, L. W., ZIEMER, R. W. and CAMBEL, ALI BULENT
Stabilization of Premixed Propane-Air Flames in Recessed Ducts 31
HURD, CHARLES O., *see* SIMKIN, DONALD J.
ITOKAWA, HIDEO
The Japanese Sounding Rockets..... 286
JOB, F. R.
Use of the Rocket Jet in Mining and Quarrying 392
JOHN, R. R. and SUMMERFIELD, MARTIN
Effect of Turbulence on Flame Radiation 169
See also WILSON, E. S.
JONES, LESLIE M., HANSEN, WILLIAM H., SPENCER, NELSON W., STROUD, WILLIAM G. and BERNING, WARREN W.
The Nike-Cajun Sounding Rocket..... 266
KAEPPELER, H. J.
On Thermonuclear Power Plants..... 1098
KATTUS, J. R.
High Temperature Structural Materials for Missiles 644
KEEFE, J. H. and RALEIGH, C. W.
Transportation of Hydrogen Peroxide... 663
KEMP, N. H.
See also DETRA, R. W.
See also FAY, J. A.
KEMP, N. H. and RIDDELL, F. R.
Re-entry Heat Transfer to Satellite Vehicles 132
KESLER, M. G., *see* GROVER, J. H.
KNUTH, ELDON L.
Thermal Conductivity and Prandtl Numbers for Nonpolar Polyatomic Gases at High Temperatures 1262
KUPPERIAN, JR., J. E., *see* CHUBB, T. A.
KRUCICANIN, SLOBODAN P.
Comment on "Thermonuclear Power Plants" 1102
LAITONE, E. V.
Spin-Stabilized Unsymmetrical Bodies.. 417
LARISCH, E., *see* SHECHTMAN, I.
LAROCCA, E. W.
Time-Temperature Relationships for Rupture of Metals in Combustion Atmospheres 674
LAWDEN, D. F.
Optimal Rocket Trajectories 1263
LAWRENCE, A. L., *see* SINGER, S. F.

(Continued on page 1270)

Index of Papers Published in JET PROPULSION

A Publication of the American Rocket Society

Volume 27—January through December 1957

Issue	Pages
January	1–104
February	105–240
March	241–364
April	365–488
May	489–620
June	621–750
July	751–846
August	847–966
September	967–1062
October	1063–1134
November	1135–1218
December	1219–1290

ALLEN, H. JULIAN
Hypersonic Flight Problems (Introductory Remarks) 1145
ANKENEY, D. P., *see* EGBERT, B. R.
ARTHUR, P. D. and MCJONES, R. W.
Effective Lift Drag Ratio With Jet Lift.. 676
BARR, G. M. and MORRISON, S. C.
Measurements of Vibration Environment in a Supersonic Liquid Propellant Rocket Sled 1017
BARR, K., and STEEGER, E. J.
Supersonic Rain Erosion Testing of Missile Radomes 1034
BARTAS, J. G.
Wall Temperatures in Ribbed Combustion Chambers 784
BARTZ, D. R.
A Simple Equation for Rapid Estimation of Rocket Nozzle Convective Heat Transfer Coefficients 49
BATCHELDER, G. W. and ELDER, J. K.
A More Explicit Notation for the Temperature Sensitivity Coefficients of Solid Rocket Propellants 546
BATDORF, SAMUEL B.
Structural Problems in Hypersonic Flight 1157
BERMAN, K. and CARNAVOS, T. C.
Experiments With Cavitating Venturis.. 148
BERNING, WARREN W., *see* JONES, LESLIE M.
BERTOTTI, B., *see* CASCI, C.
BEUTLER, F. J. and RAUCH, L. L.
Precision Measurement of Supersonic Rocket Sled Velocity—Part I 1021
BIEDLER, III, WILLIAM T. and HOELSCHER H. E.
Studies in a New Type of Flat Flame Burner 1257
BLACK, H. D., *see* STRUBLE, R. A.
BLITZER, L.
Effect of Earth's Oblateness on Satellite Period 405
BLOOM, JR., RALPH
On the Hazards of Concentrated Hydrogen Peroxide 666
BONNETT, M. E.
Aberdeen Proving Ground Ballistic Track 992
BREWINGTON, W. H., *see* TIGER, B.
BRIGGS, J. Z., *see* FREEMAN, R. R.
CAMACK, W. G. and FORSTER, H. K.
Test of a Heat Transfer Correlation for Boiling Liquid Metals 1104
CAMBEL, ALI BULENT, *see* HUELLMANTEL, L. W.
CANTRELL, T. D., *see* TSCHINKEL, J. G.
CARNAVOS, T. C., *see* BERMAN, K.
CARROLL, JOHN J., *see* GORE, MARVIN R.
CARROLL, K. L. and NORTHROP, C. L.
Redstone Arsenal Ballistic Ramp 1011
CASCI, C. and BERTOTTI, B.
On the Slowing Down of Time 665
CHARWAT, A. F.
The Stability of Bodies of Revolution at Very High Mach Numbers 866
CHUBB, T. A., FRIEDMAN, H., KUPPERIAN, JR., J. E. and LINDSAY, J. C.
Flare Measurements From Rockets 1094
COLE, DANDRIDGE M.
The Earth-Mars Constant Thrust Brachistochrone 176
Times Required for Continuous Thrust Earth-Moon Trips 416
COPLEN, JR., H. L.
Reliability Concepts in Rocket Controls Design 637
CROCCO, L., GLASSMAN, I. and SMITH, I. E.
A Flow Reactor for High Temperature Reaction Kinetics 1266
DASKIN, WALTER, *see* FERRI, ANTONIO
DAVIES, H. and SMITH, D. S.
Design Considerations of Two Large Liquid Rocket Sled Pusher Vehicles... 999
DEMPSTER, J. R. H. and SODHA, M. S.
On Secondary Atomization of Droplets.. 896
DEMUTH, O. J., *see* HOUSE, W. C.
DETRA, R. W., KEMP, N. H. and RIDDELL, F. R.
Addendum to "Heat Transfer to Satellite Vehicles Re-entering the Atmosphere" 1256
DILLAWAY, ROBERT B.
A Philosophy for Improved Rocket Nozzle Design 1088
DODGE, C. H., *see* HOUSE, W. C.
DORLING, E. B.
British High Altitude Rocket Research Program 289
DUWEZ, P., *see* HIESTER, N. K.
EBER, G. R.
The Capabilities of the Holloman Track 1013
EDELBAUM, THEODORE N.
Comments on the Powered Trajectory of a Satellite 1260
EGBERT, B. R. and ANKENEY, D. P.
Supersonic Track Facilities at the Naval Ordnance Test Station 985
EGGERS, JR., A. J.
Performance of Long Range Hypervelocity Vehicles 1147
ELDER, J. K., *see* BATCHELDER, G. W.
FAY, J. A., RIDDELL, F. R. and KEMP, N. H.
Stagnation Point Heat Transfer in Dissociated Air Flow 672
FELDMAN, LEWIS, *see* FERRI, ANTONIO
FELDMAN, SAUL
Hypersonic Conical Shocks for Dissociated Air in Thermodynamic Equilibrium 1253
FERRI, ANTONIO, FELDMAN, LEWIS and DASKIN, WALTER
The Use of Lift for Re-entry from Satellite Trajectories 1184
FORSTER, H. K., *see* CAMACK, W. G.
FREELAND, J. L., *see* STEHLING, K. R.
FREEMAN, R. R. and BRIGGS, J. Z.
Molybdenum for High Temperature Strength 138
FRIED, B. D.
Powered Flight Trajectory of a Satellite 641
FRIEDMAN, H., *see* CHUBB, T. A.
FUHS, A. E., *see* WILLIAMS, F.
FULLER, J. L., *see* HOUSE, W. C.
GLASSMAN, IRVIN
Impulse Expressions for Rocket Systems Containing a Solid Phase 542
See WILLIS, D. ROGER
See also CROCCO, L.
GLAWE, GEORGE E.
A High Temperature Combination Sonic Aspirated Thermocouple and Total Pressure Probe 543
GLUCKSTEIN, MARTIN E.
Note on "Study of Premixed Flames Using Radioactive Tracers" 1102
GOLDSMITH, M.
On the Optimization of Two-Stage Rockets 415
GORDON, JOHN S.
Estimation of Optimum Mixture Ratio for Fuming Nitric Acid Propellants... 799
GORDON, L. J., *see* GREENE, S. A.
GORE, MARVIN R. and CARROLL, JOHN J.
Dynamics of a Variable Thrust, Pump Fed, Bipropellant, Liquid Rocket Engine System 35
GRAHAM, A. R., *see* ZUCROW, M. J.
GRAVES, A. E., *see* TSCHINKEL, J. G.
GREENE, S. A. and GORDON, L. J.
An Effect of Carbon in an Adiabatically Expanded Gas Stream 667
Ethylene Oxide as a Monopropellant.... 798
Some Decomposition Products of Normal Propyl Nitrate 1261
GROVER, JOHN H., KESLER, M. G. and SCURLOCK, A. C.
Rotating Flame Stabilizer 386
GROVER, JOHN H. and HOLTER, WILLIAM H.
Solution of the Transient Heat-Conduction Equation for an Insulated, Infinite Metal Slab 1249
GUSTAVSON, JOHN
The Possibility of Interstellar Flight.... 69
HAEUSSERMANN, W.
Stability Areas of Missile Control Systems 787
HALEY, ANDREW G.
Seventh IAF Congress Stresses Cooperation 60
HANAWALT, ARNOLD J., *see* SCHMIDT, CRAIG M.
HANSEN, C. FREDERICK
Some Characteristics of the Upper Atmosphere Pertaining to Hypervelocity Flight 1151
HANSEN, WILLIAM H., *see* JONES, LESLIE M.
HARSHMAN, R. C.
Properties of the Alkyl Hydrazines..... 398
HARVEY, T. J.
Bending Dynamics of a Spinning Missile 669
HEGENWALD, JR., J. F. and MURPHY, JR., E. A.
Sled Testing the Emergency Escape System: The Human Factor 1025
HENDRICKS, R. K.
Track Testing at the Air Force Armament Center 997
HENRY, IRVIN G.
Lifetimes of Artificial Satellites of the Earth 21
HERTZBERG, A., *see* RUSSO, A.
HIESTER, N. K., TIETZ, T. E., LOH, E., and DUWEZ, P.
Solar Furnace Performance 507
HOELSCHER, H. E., *see* BIEDLER, III, WILLIAM T.
HOLTER, WILLIAM H., *see* GROVER, JOHN H.
HOTTEL, HOYT C., TOONG, TAU-YI and MARTIN, JOHN J.
Flame Stabilization in a Boundary Layer 28
HOUSE, W. C., DODGE, C. H., WALDO, R. D., SCHAFF, JR., A., FULLER, J. L. and DEMUTH, O. J.
Future Sounding Rockets 269
HUELLMANTEL, L. W., ZIEMER, R. W. and CAMBEL, ALI BULENT
Stabilization of Premixed Propane-Air Flames in Recessed Ducts 31
HURD, CHARLES O., *see* SIMKIN, DONALD J.
ITOKAWA, HIDEO
The Japanese Sounding Rockets..... 286
JOB, F. R.
Use of the Rocket Jet in Mining and Quarrying 392
JOHN, R. R. and SUMMERFIELD, MARTIN
Effect of Turbulence on Flame Radiation 169
See also WILSON, E. S.
JONES, LESLIE M., HANSEN, WILLIAM H., SPENCER, NELSON W., STROUD, WILLIAM G. and BERNING, WARREN W.
The Nike-Cajun Sounding Rocket..... 266
KAEPPELER, H. J.
On Thermonuclear Power Plants..... 1098
KATTUS, J. R.
High Temperature Structural Materials for Missiles 644
KEEFE, J. H. and RALEIGH, C. W.
Transportation of Hydrogen Peroxide... 663
KEMP, N. H.
See also DETRA, R. W.
See also FAY, J. A.
KEMP, N. H. and RIDDELL, F. R.
Re-entry Heat Transfer to Satellite Vehicles 132
KESLER, M. G., *see* GROVER, J. H.
KNUTH, ELDON L.
Thermal Conductivity and Prandtl Numbers for Nonpolar Polyatomic Gases at High Temperatures 1262
KUPPERIAN, JR., J. E., *see* CHUBB, T. A.
KRUCICANIN, SLOBODAN P.
Comment on "Thermonuclear Power Plants" 1102
LAITONE, E. V.
Spin-Stabilized Unsymmetrical Bodies.. 417
LARISCH, E., *see* SHECHTMAN, I.
LAROCCA, E. W.
Time-Temperature Relationships for Rupture of Metals in Combustion Atmospheres 674
LAWDEN, D. F.
Optimal Rocket Trajectories 1263
LAWRENCE, A. L., *see* SINGER, S. F.

(Continued on page 1270)

IN THE F-101

Statham transducers gathered pressure and acceleration data in McDonnell Aircraft Corporation's program to prove out the aerodynamic design and structural design.

WHEN THE NEED IS TO KNOW... FOR SURE SPECIFY STATHAM

Accelerometers • Load Cells
Pressure Transducers

Catalog, complete with prices, available upon request.

Statham

LOS ANGELES 64, CALIFORNIA

Annual Index

(*Continued from page 1268*)

LEDUC, RENÉ
Early Work and Latest Realizations With Ramjet Engines 64
LEES, LESTER
Recent Developments in Hypersonic Flow 1162
LEHMAN, J. H., *see* WOLF, H.
LINDSAY, J. C., *see* CHUBB, T. A.
LOH, E., *see* HIESTER, N. K.
LOOS, H. G.
Time Dilatation in Space Flight 665
MAGER, ARTUR
Leading Edge Cooling 293
Marshak, R. E.
Scientific Research in the Soviet Union .. 200
MARTIN, JOHN J., *see* HOTTEL, HOYT C.
MASTERSON, J. E., *see* ROSS, M. D.
MCJONES, R. W., *see* ARTHUR, P. D.
MICHELSON, IRVING
Ultimate Design of High Altitude Sounding Rockets 1107
MIELE, ANGELO
Optimum Burning Program as Related to Aerodynamic Heating for a Missile Traversing the Earth's Atmosphere ... 1231
MIESSE, C. C.
The Free Vibration of a Variable Mass .. 1103
MOHRLOCK, JR., H. F.
The Development of RESCU Mark I ... 1028
MORRISON, R. B., *see* NICHOLLS, J. A.
MORRISON, S. C., *see* BARR, G. M.
MURPHY, JR., E. A., *see* HEGENWALD, JR., J. F.
NEWELL, JR., H. E.
The High Altitude Sounding Rocket 261
NICHOLLS, J. A., WILKINSON, H. R. and MORRISON, R. B.
Thrust by Repeated Detonation 534
NORTHROP, C. L., *see* CARROLL, K. L.
OMAN, R. A., *see* WADLEIGH, K. R.
ORDAHL, D. D. and WILLIAMS, M. L.
Photoelastic Stress Data for Rocket Grains 657
PENNER, S. S.
Rational Scaling Procedures for Liquid-Fuel Rocket Engines 156
PENNER, S. S. and WILLIAMS, F.
On Excess Enthalpy, Flame Extinction and Minimum Ignition Energies 544
PETERSON, J. B.
Note on "Take-Off" From Satellite Orbit" 1263
POLAND, H. M., *see* ROTH, JR., C. E.
POWELL, W. B.
Heat Transfer to Fluids Near Critical Temperature 776
PRIEM, RICHARD J.
Breakup of Water Drops and Sprays With a Shock Wave 1084
PROVART, R.
Recovery of Rocket Powered Vehicles and/or Their Components 125
PUNTE, CHARLES L.
Note on "Hazards Associated With 90 Per Cent Hydrogen Peroxide Aerosols" 51
PUTNAM, ABBOTT A.
Comparison of Reverse Jet and Obstacle Type Flameholders 177
RALEIGH, C. W., *see* KEEFE, J. H.
RAPP, L. R. and STRIER, M. P.
Chemical Aspects of Hypergolic Ignition 401
RAUCH, L. L., *see* BEUTLER, F. J.
REESE, B. A., *see* WARNER, C. F.
RIDDLE, F. R., *see* KEMP, N. H.
See also DETRA, R. W.
See also FAY, J. A.
ROBERSON, R. E.
Impact Points of Ballistic Rockets 1256
Romig, Mary F.
Addendum to "Stagnation Point Heat Transfer for Hypersonic Flow" 1255
ROSS, M. D. and MASTERSON, J. E.
Rockair 276
ROTH, JR., C. E. and POLAND, H. M.
Liquid Rockets for Supersonic Sleds 1006
RUSSO, A., and HERTZBERG, A.
A Method for Improving the Performance of Shock Tubes 1191
SANDERS, JOHN C.
Comments on "Dynamics of a Liquid Rocket System" 421
SCALA, S. M. and SUTTON, G. W.
Vectored Injection Into a Hypersonic Laminar Boundary Layer 895
SCHAFF, JR., A., *see* HOUSE, W. C.
SCHMIDT, CRAIG M. and HANAWALT, ARNOLD J.
Skin Temperatures of a Satellite 1079
SCHNEIDER, P. J.
Temperatures and Thermal Stresses in Transpiration-Cooled Power-Producing Plates and Tubes 882
SCHURMANN, E. E. H.
Optimum Staging Technique for Multi-staged Rocket Vehicles 863
SCURLOCK, A. C., *see* GROVER, J. H.
SEGER, R. R.
Track Testing at the Air Force Flight Test Center 995
SEIFERT, HOWARD S.
The Performance of a Rocket With Tapered Exhaust Velocity 1264
SHECHTMAN, I., and LARISCH, E.
Comments on "Thermonuclear Power Plants" 176
Further Comments on "Thermonuclear Power Plants" 1102
SIMKIN, DONALD J. and HURD, CHARLES O.
Vapor Pressure and Heat Contents of Saturated Liquid and Vapor Hydrogen Peroxide 419
SIMMONS, ROBERT F. and WOLFHARD, HANS G.
The Structure of Chlorine Flames 44
SINGER, S. F. and LAWRENCE, A. L.
Terrapin 281
SINGER, S. F. and WENTWORTH, R. C.
Ballistic Rockets' Impact Points 407
SLAVIN, R. M.
The Air Force Rockaire Program 279
See also TOWNSEND, JR., J. W.
SMITH, D. S., *see* DAVIES, H.
SMITH, I. E., *see* CROCCO, L.
SODHA, M. S., *see* DEMPSTER, J. R. H.
SPENCER, NELSON W., *see* JONES, LESLIE M.
STALDER, JACKSON R.
A Survey of Heat Transfer Problems Encountered by Hypersonic Aircraft 1178
STEEGER, E. J., *see* BARR, K.
STEHLING, K. R. and FREELAND, J. L.
A Mechanical Igniter for Liquid Rocket Engines 896
STRIER, M. P., *see* RAPP, L. R.
STROUD, WILLIAM G., *see* JONES, LESLIE M.
STRUBLE, R. A. and BLACK, H. D.
A Generalized Closed Form for Burnt Velocity 151
STUHLINGER, E.
Flight Path of an Ion-Propelled Space Ship 410
SUMMERFIELD, MARTIN, *see* JOHN, R. R.
See also WILSON, E. S.
THOMAS, JR., A. N.
Some Fundamental Aspects of Ramjet Propulsion 381
TIETZ, T. E., *see* HIESTER, N. K.
TIGER, B., and BREWINGTON, W. H.
Demonstrating System Reliability by the Sequential Probability Ratio Test 890
TOONG, TAU-YI, *see* HOTTEL, HOYT C.
TOWNSEND, JR., J. W. and SLAVIN, R. M.
Aerobee-Hi Development Program 263
TSCHINKEL, J. G. and CANTRELL, T. D.
Hydrogen Peroxide Field Analyzer 290
TSCHINKEL, J. G. and GRAVES, A. E.
Peroxide Warm-up Equipment 796
UNTERBERG, W.
Heating Problems in Ramjet Tailpipes .. 514
USELLER, JAMES W.
Effect of Turbojet Compressor Coolants on Afterburner Combustion 25
VANDREY, J. F.
Aerodynamic Heating at Great Altitudes 522
VASSEY, E.
The French Missile Veronique 285
WADLEIGH, K. R. and OMAN, R. A.
Instrumentation for Two-Phase, Two-Component Flows 769
WALDO, R. D. *see* HOUSE, W. C.
WARNER, C. F., *and* REESE, B. A.
Investigation of the Factors Affecting the Attachment of a Liquid Film to a Solid Surface 877
WAY, S.
Similitude Considerations in Turbojet Engines 162
WENTWORTH, R. C., *see* SINGER, S. F.
WEST, C. D.
Boost Phase Trajectory Analysis Techniques 527
WILDE, KENNETH A.
An Approximate Specific Impulse Equation for Condensable Gas Mixtures ... 668
WILKINSON, H. R., *see* NICHOLLS, J. A.
WILLIAMS, F. and FUHS, A. E.
Apparent Emission Intensities From a Turbulent Flame Composed of Wrinkled Laminar Flames 1099
See also PENNER, S. S.
WILLIAMS, M. L., *see* ORDAHL, D. D.
WILLIS, D. ROGER and GLASSMAN, IRVIN
The Mixing of Unbounded Coaxial Compressible Streams 1241
WILSON, E. S., JOHN, R. R. and SUMMERFIELD, M.
Spectroscopic Studies of the Effect of Boundary Layer Flow on Flameholding 892
WOLF, H. and LEHMAN, J. H.
The Determination of Thermal Entrance Lengths for Gases in Turbulent Flow in Smooth Round Ducts 897
WOLFHARD, HANS G., *see* SIMMONS, ROBERT F.
ZAEHRINGER, A. J.
Solid Propellant Bibliography 900
ZIEMER, R. W., *see* HUELLMANTEL, L. W.
ZIMNEY, C. M.
The ASP Sounding Rocket 274
ZUCROW, M. J. and GRAHAM, A. R.
Film Cooling for Rocket Motors 650
ZWICK, S. A.
Thermal Stresses in an Infinite, Hollow Case-Bonded Cylinder 872